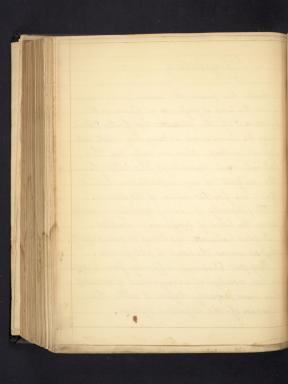
Inaugural Difsertation, Dysentery Submitted to the examination The Medical Profesors The University of Pennsylvania The Degree of Doctor of Medicine. Lachariah Talley Pupu Mand 24 1827 Virginia

Dysentery

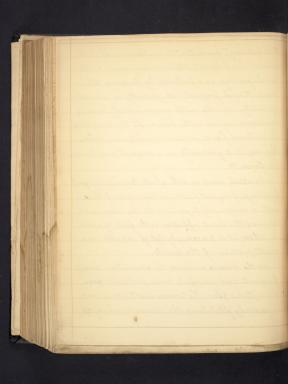
bullon has placed this disease in his nosology under the head of proflucia or fluxes with hyrexice. " Of the pluxes; says bullen, "which may be considered as being very constantly bebrile diseases, there are only two, the catarrh and dysentery;" The latter being the subject of my dissertation I shall take no farther notice of the former. The propriety of placing dysentery in mordogy under the head of proflurize is doubted. Irofesor balawell says it may be more property classed under The head of phlegmasice. Toofefor Chapman differing from Cullen in his mosological arrangement of diseases, has more properly classed it with the diseases of the digestive system.



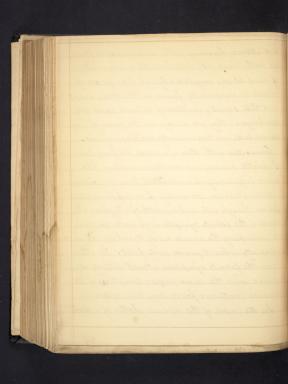
"Dysentery," says butten, "is a viscase in which the sattent has frequent stools, accompanied with much griping, and followed by tensmus. I'll stools, though prequent, are generally in small quantity; and the matter voided is chiefly mucus, benetimes mixed with blood. It the same time he natural faces seldom appear; and, when they do, it is generally in a compact and harden is form."

In attack comes on with chills, terminating with a fuller, griping, soon followed with a propensity to go to stool: In some cases, where we to local affection is the first symptom, in others, it is preceded by lop of appetite and constepation of the bowels.

As the disease advances the oracuations become frequent and painful, and prolapsus arisoften takes place. The termina and tenesmus are mereased by flatulence, the advine discharges

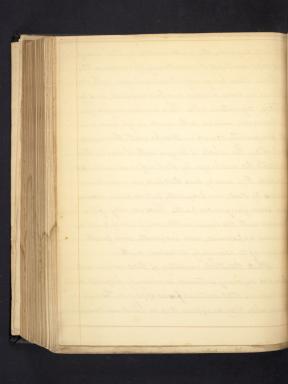


are altered, becoming frothy and mucaus or streak ed with blood, in some cases there is hemorrhage of pure blood; coagulated lymph like pieces of cheese is occasionally found in the stools, now and then small quantities of natural forces are discharged: they are always in the form of have dened balls, and these invariably give temporary ease. Connected with these symptoms, are fever, loss appetite, nausea, and sometimes vomiting, the Lever is generally of a remittent kind and observes a tertian period, commonly of an inflammatory form though not unfrequently of a typhous character; the febrile symptoms generally continue to accompany the disease during its whole course specially when it proves early fatal. In other cases the febrile symptoms almost entirely disoppear, while the more proper symptoms of the disease continue for a long time after. In the course of the disease whether of a short



or long duration, the matter voided by stool is very various; sometimes it consists only of mucous matter, othout there being any blood discharged with it; this is by some named morbus mucosus, and by others, dysenteria alba. This mucous discharge is however, mixed with more or less blood, and t frequently occurs in streaks with the mucus; at often the whole is tinged with blood: in other Mispects the discharge by stool is of an unusual feticl odowr. It is said by some that pure pur is sometimes vided by stool; and frequently putrice famies, proceeding from gangrenous parts. There are very often mixed with the liquid matter some films of a memranous appearance, and frequently some small mapses of a seemingly sebacious matter. While the stools consisting of these various mat-

tur are in many instances, exceedingly frequent, it I seldom that natural faces appear in them; and when they do appear, it is, as I have mentioned,

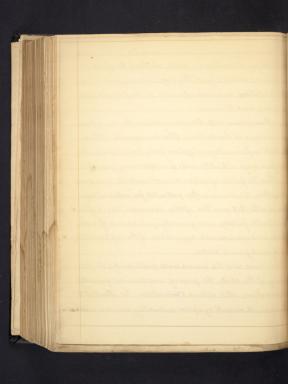


the form of seybala, that is, in somewhat hardened, sope as balls. When these are voiced, who there by the efforts of stave, or solicited by art, they procure a vernificon of all symptoms, and more especially of the frequent stools, sping, and tenesmus.

Accompanied with these circumstances, the circust process or a longer or shorter time. When accompanied with a start inflammatary or typhous fever, it of ten terminates if our cases, with all the marks of a supervising gargoones. When the febrile symptoms are more moderate, or cisappear, the circuse is often protracted for weeks and even a months; but even their after a review direction, it often iminates fatally, and generally inconsequence of a section and considerable aggueration of the inflammators at malignant states.

In some cases the aiscase ceases spontaneously; the fremy of the stools, the griping, and tenesmus, gradually minishing; while matural stools return. In other cases,

surease with moderate symptom cantinues lang, andends in diastoca.



This disease is much more prevalent in warm than cold brates; particularly in the East and West Indies. Il not mesmmonly breaks out in the crew of ships of war and ther wefsels crecising or trading in these parts; at times proing so malignant as scarcely to leave a sufficiency of in to manage the vefsels. It also frequently attacks arin particularly when after or during warm weather, yare any length of time exposed to heavy rains, or or encamped in the vicinity of law and marshy ground. This disease though found so frequently in tropial climates by no meany confined to those regions, it is not un frequent to be met with on the coldest parts of the globe, spread ing forth its malignity and mortality, proving The Thument of death to many of the human race. It also very frequently met with in all parts of the United tates, and sometimes in as malignant a shape as in my other part of the habitable world.

Hastaths the delicate and nobust, the young and the



the marages, proving generally most fatal to infants and aged persons.

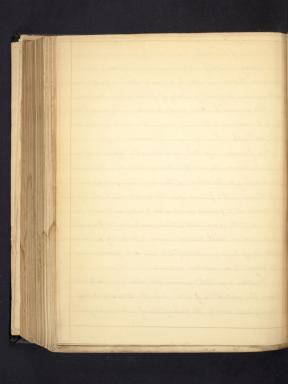
This disease occationally prevails in all seasons of the year, though it most commonly occurs in summer "a autumn. It is often occasioned by cold or moiswe succeeding to intense heat or great drought, where The perspiration is succeenly checked, and determine ration made to the intestines. His likewise occasion a by the use of unwholesome and putoid food, and y noxious exhalations and vapowo; Suchasmarsh riasmata &6. It frequently occurs about the same ime with autumnal remittent and intermittent wers and with these it is after blended. Winking large mantilies of cold water when in a state of porspiration requently produces the disease. Indigestion, exposure might air; marsh effluria are very frequently the sure of this disease, and when produced by this cause tis located at first in the Stornach, extending from ance through out the whole of the alimentary Canal.

Too free use of fruits has been said to produce the disease; particularly unifer fruit; change of clothing may also produce this complaint, by suddenly checking penspiration, extermining too great quantily of fluids to the intertures.

This disease has been said to be contagious by many of the highest modern authorities; among there are the cellstrated Soctors Rush buller and Darwin.

The former says that dynamicay is the offspring of comtaxion or miasmata, and that it prevails most, in high situations awing to the coldness of the air checking perspectation, and throwing the fluids upon the bowels, and that he presunt, observed it to prevait on alcuated places, and bilious fever, in low situations adjacent to them; and he says its frequent occurrence in fruit seasons is owing to the delicts accessemed by the use of large quantities of this aliment prevainposing the bowels to a morbic action.

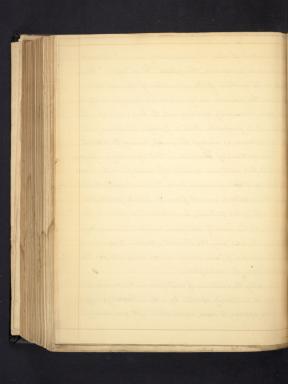
Coullen says that cupulary does witer manifully wrise from the application of cold, but the disease is always contagious, and by the propagation of such contagion



adependent of cold, or other exciting causes, it becomes when in camps and other places." It is "says he," there we to be donebled if the application of cold closs ever muce the disease, unlys where the specific contagion a been premiously received into the body: and, upon the hole, it is probable, that a specific contagion is to consider as always the remain cause of the diseage.

The doctrine of Darwin is that dysentery is contogious, at that this contagion manifelly arises from the mucus or bloody stoods produced from the membrane which us the intestines, and not from the febrile peneparation or breath of the patient; he contends that fever is the flet, not the cause of contagion, and that it is meeting it we should pay the strictest attention to chanlings; as the removal of faces voided as soon supposible for the revention of contagion.

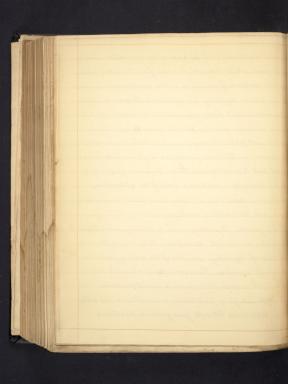
To dainy the existence of contagion in this disease after song it so strongly ascreted by such authority; may whaps appear to some, inconsistent with good reasoning,



us bound pathology; but is part as my observation extends, we know what I am able to collect from the latest, authorize the doctrine of contagion in this complaint is encourage, my observations to contagion in this complaint is encourage, the intermittent fever, where matism or catarak; that it is an endemic and occasionally prevails epidemically once will pretend to deny; and it attacking a number of present, in the same family, or neighbour hood, it no work that it is contagious. Havil be found generally to a produced by a particular of the almosphere, but not the result of contagion.

Diagnosis- (Bysentery is easily distinguished from vay other disease but diarrhoed. Take one of the misuat cases of dysentery, and one of the most aggravation hums of diarrhoes, their resemblance is so great that it admost impossible to draw a correit conclusion.

A knowleage of the following circumstances well how wor befound a boterable good quide in practice.



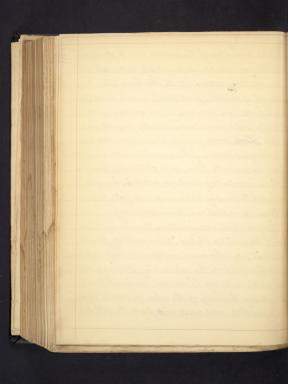
Diarrhan is most commonly unationed by fewer, the wainstand over coping and more natural in appearance, and by the infing and tenumer being more and enactional by frequent tanin dynatory. This however Societies is not in all cases important in a practical point of view, the diseases wing frequently greatured by the same causer and requiring for their cure as similarity of treatment.

Brognaris. To give a correct programs of this disease will be found in a great many instance difficult. We begunth have the symptoms of the most forwardle shareafter successful changes to the most forward from, immediately, frustrating overly was matignairly from, immediately, frustrating the most forwardle if nee; however, when the symptoms become more moderate, form in a measure abstract, the stool life frequent and most of the natural consistence met colour, the tanger becoming clean, the thin released and agentle warm perepresentation over the whole body, the though, medicate, the pulse slow and natural, a

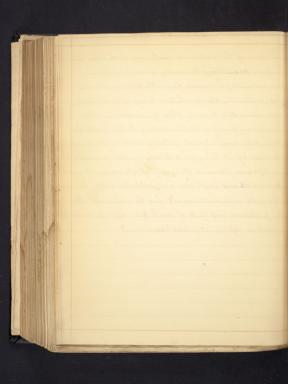


pactual diminution of the tornina and tenesmus, and weetweening appetite we may safely anticipate a foowrable termination. On the other hand when there is a want of appetite, great Thirst, a dark brown tongue high fever, and delirium, nausea vomiting, great rebitity, cold and clammy sweats, frequent and Small stools, severe griping, tornina and tenesmus, opposed respiration, fetia evacuations with undigested food mixed with them, cold extremelies, tense abo domen, involuntary discharges petechia, hiwough and aphtha making appearance with feele pulse, the disease in most cases terminates fatally. Post mortem examinations. "Upon opening the be-

Post mortem examinations. "Upon opening the besix of the dead," says bleghorn, "I have constantly found the great guts either intieth, mortified, or partly in flower, partly mortified, the nectum bring generally most effected: in many I have seen scirrhous luberelez thailming the cavity of the colon in several places; in a few there were small abjects in the cellular



membrane of the peritoneum contiguous to the colon and siction: bometimes the small just were perfectly sund in appearance; but more frequently their lower part was inflamed, the convolutions being of the putomaturally connected to each other by membranes, as the lungs sometimes are to the pluva. In two people the omentium was almost entirely water, the small armains of it being quite black; while preplet the water was found in the cavity of the abdomen; in sword it was implamed and adhered both to the guits and peritoneum; for the most pout the gall bladder was full of clark bile, and the spleen onore or lep in a putried condition?



Treatment. As the intention of this epay is for the degree of doctor of medicine, and having had an opportunity of seeing and attending to several cases of this disease, I do not think it newpary to give in detail, all the veneralis that have been occommended by authors; but will confine my self to a few of the most important, and such as I have found most useful in those cases that have come under my own observation.

Dyrentery is generally of an inflammatory nature, and demands in its commercement the most copicates descripted howe. X were, the patient should lose twenty, thirty, or even sometimes if the state of the system permit, porty owner of blood.

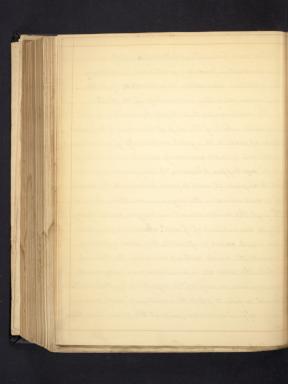
"The early anawing of blood; says Profesor Chapman, "arwests inflammation, arouses the susceptibility of the system to the action of other remarks;" It is says he, "The very best means of awakening every susceptibility?"



"There exist have airs" says the Profession violent sparson and construction producing great pain, in relieving this affection, vernesation is unrivaled; by it too .

We produce relaxation and moistrep of the skin".

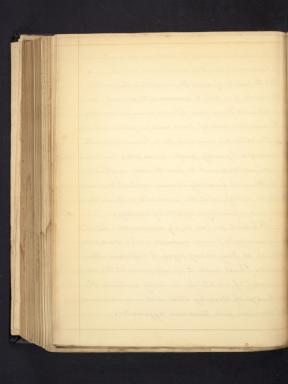
The next remedies that should be resorted to are purgatives, which of this class of remedies is to be prefued , there appears to be a great contrariety of opinione, castor oil is most commonly used, "and in linient cases," says Profesor Chapman, "it may answer very well, but to do good it must be given liberally, to the amount of several ounces in the day, and even then, it runs through the bowels almost unchanged, producing very blight evacuations of faces". Mercural pringatives are much more preferable, they more effectually evacuate the bowels without disturbing the stomach, while the castor oil is a nauseous and disagreeable remedy, and is very often objected to by the patient. the oil is said to possess the advatages of gently purging away offensive matters, and at the same time shew=



by the delicate surface of the interting. The quantity of it beswere too small to answer such an enco.

For the purpose of evacuating completel, the contents of the bowels, it is best, to commence with calonal given a tolerable large close, followed in an howror two, with repeated closes of some mile purgetive medicine; but the cartor oil may perhaps be found useful, to the however I greatly prefer Germafalt; the stomath most instances will be found very irritable, the latter will frequently remain without producing to latter will frequently remain without producing to least distance, while the former will be found many and is sometimes effected by comitting.

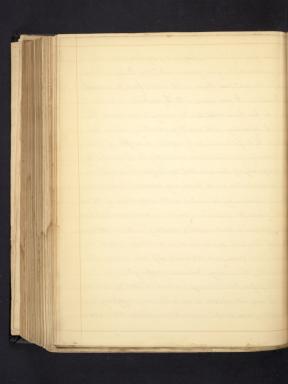
Rhubard has been highly commended: but it all generally be found improper in the commence. "Aut, or at long as any degree of inflammation amains. I have used it in a few cases at the commencement of an attack, in every instance the bucknowing of blood by stool was increased, and the termina and tensous aggrevated.



How fan we should carry our purgative plan, has been questioned; a good general rule; says Professor Chapa mann'is to continue them, until natural frees be procured;

Emetics - It was usual with Tydenham, and his rample has been imitated by many, to commence the Eure of dysentory with exciting vomiting, which he dvised to be followed up by copious draughts of some him beverage, to cleanse more campletely the stamach. "Of the propriety of this practice; say, Profiper Chapman, Jam not prepared to speak from any personal experience. It may occasionally be useful in the early stage of the disease, where the stomach is loaded as sometimes happens with bilious or foul matter, creating nausea and distrep. Esses of this sort are common in countries subject to intermittent fever, and the bowel affection wearing this haracter, the nemedy becomes necessary?

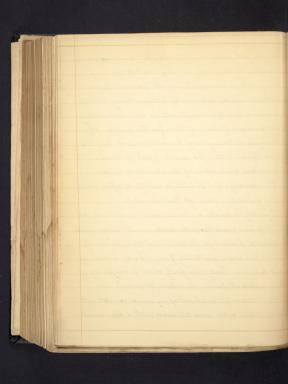
Highly as This reemedy has been extolled by most work to, it does not appear to me to be always neaftway in appearing whentery, and except under excumstances cited above,



it may be with safety superness with but symptongocuraing indication of their use, we may resort to tartarized rationary alone or combined with specacuam has an excellent mode however of administering conetic onecicines in this complaint, is in combination with some one of the purgatives; for this purpose the texturized antimeny may be combined with the Glaw ber or Egsom satts. The usual effect of this combination is a copious evacuation of the alimentary canal.

The remedy that should be resorted to after purgetions, is nauseating doses of Mecacuamha.

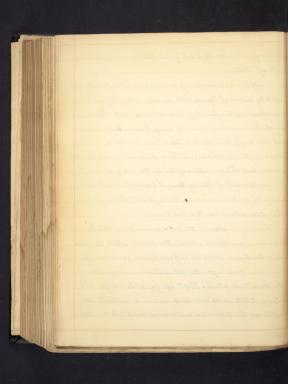
Agointry is sometimes attended with a considerable disthough of pure blood from the bowels, amounting in some intenis almost to himovahage. In the course of the summer of righteen hundred and twenty five, I had, under my care between thirty and first, cases, a majority of them were children, to whom it proved very that in the neigh bowhood of my residence. Almost all of these cases were attended with a considerable



sischarge of block by stool, great thorst, heat, and dry nep of skin.

After administring a cathante of colonel follewed by a close of Chrom batts, as soon as they began their operation on the lowels; I commenced with small do ys of Specacuanha, repeated every hour or tors throughout the clay; and at bed time I directed it to be combined with an opiate; if those were not much febrile selion, but when intercepted in the use of opium by the excitement of the system, I advised the Greaucom ha to be continued alone throughout the night, as directed about in the day time.

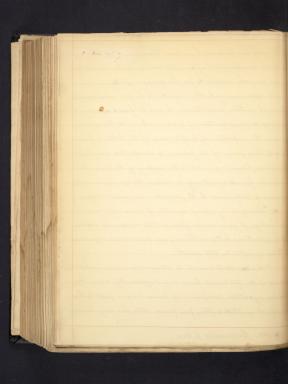
In every instance that I administered the speea wanha as mentioned above, the bloody stools tormina and linesmus were in a few hours considerably relieved, and a gentle relaxation and moisture of the thin took place. Theft up for a few days, the bloody stools were removed and in a majority of instances the tormina and trigmus could be troublyone.



After the bowels have been thoroughly executed, and believe excitement but ficiently reduced by the lancet, opin and adversaries to for the perspect of allowing pains and altermining to the surface, to fulfil more complied by both of these indications, it will be found necessary to ambine a small portion of specacuanha with the opinion say in the proportion of help a grain of the latter to from to to three goains of the former, to be repeated every two or three hours, agreeable to the vergeny of the case. This will be found effectually to relieve the tormina and tenness, advertised to the surgery of the case.

* "Anadyne injections considing of spium dispolved inmuclase of gum arabic flor suction or common stouch are sometimes better retained, and prove more efficacious than opiates by the mouth.

"An excellent remedy to allay irritation and times mus after the bosods have been sufficiently traculated wan injection composed of from half a pirit to three fills of melted butter, free from satt: this may be seen



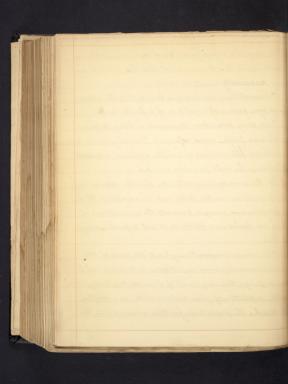
stated every three or four hours; are of teners, should circums stances require it. It is important that the butter be free from rancidity as well as salt.

"Fomentations and anadyne linimut to the abdomin have been found at times to be of infinite source

"In every case where the disease is likely to assume a chanic form, more especially there being reason to apprehend the existence of hepatic affection, a maderate bluvation is the most prosning remedy.

"If the pair continue obstinate, and the abdomen be tumefied have and sore to the touch, in addition to the for mortations and anodyne linimosty the applications of cops on leaches and blisters to it will be found independently.

"On wariow occasions through out the course of the disease mucil agenous injections will be found useful and neighbory; they may consist of flar seed too, barley water, a solution of gum water in water, on a desoction of thouch. The proper time for their administration the

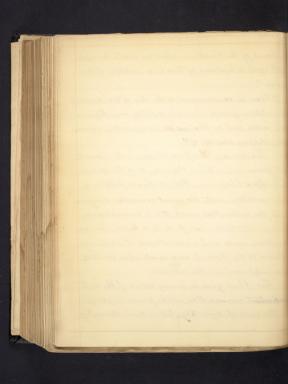


judgment of the preachilioner alone can direct. In important of the land object to be attained by them is an alterration of time muss. T

"From the commencement to the close of this complaint, the winds in general should be diluting, mucilaginas ma writer, such as flee sud the barby water, rice water, sleeping elm tea 4:32

This disease is sometimes blended with interment, that fever when this is the case, it is the opinion of profisor Chapman that we should first cure the disease, with the usual remedies, divergarating the intermetted until this is accomplished. The says that bank never fails to do have when administered under such circumstances, it is exturnely fluive to the stornach and bowels when irritable and instances as is the case here.

Thus I have given a cursory actail of the most important remades that will be found necessary in the cure of depending; but in some instances, they



and every other means of art will fail. It may be proper perhaps to add that in the sinking condition, we may resort to the liberal use of stimulants, put as wine, wine whey, carbonate of ammonies and finally to the spirits of two protine, keeping the cientwege by the bowels in due bounds, by the free use of opium.

